

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/675,828A  
Source: 1FW16  
Date Processed by STIC: 6/9/05

***ENTERED***

### **INPUT SET: S30668.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4 (i) APPLICANT: Thomas J. Cummins, Susan M. Atwood  
5 Lynn Bergmeyer, John B. Findlay  
6 John W.H. Sutherland, JoAnne H. Kerschner  
7  
8 (ii) TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,  
9 METHODS AND TEST KITS FOR  
10 AMPLIFICATION AND DETECTION OF TWO  
11 OR MORE TARGET DNA'S USING PRIMERS  
12 HAVING MATCHED MELTING TEMPERATURES  
13  
14 (iii) NUMBER OF SEQUENCES: 65  
15  
16 (iv) CORRESPONDENCE ADDRESS:  
17 (A) ADDRESSEE: Eastman Kodak Company, Patent Legal Staff  
18 (B) STREET: 343 State Street  
19 (C) CITY: Rochester  
20 (D) STATE: New York  
21 (E) COUNTRY: U.S.A.  
22 (F) ZIP: 14650 - 2201  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)  
25 (B) COMPUTER: IBM PS/2  
26 (C) OPERATING SYSTEM: MS-DOS Version 3.3  
27 (D) SOFTWARE: PC-8 (Word for Windows)  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER: 09/675,828  
30 (B) FILING DATE: 29-SEP-2000  
31 (C) CLASSIFICATION: 435  
32 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: US/08/062,023  
34 (B) FILING DATE: 14-MAY-1993  
35 (viii) ATTORNEY/AGENT INFORMATION:  
36 (A) NAME: Tucker, J. Lanny  
37 (B) REGISTRATION NUMBER: 27,678  
38 (C) REFERENCE/DOCKET NUMBER: 67271A  
39 (ix) TELECOMMUNICATION INFORMATION:  
40 (A) TELEPHONE: (716) 722-9332  
41 (B) TELEFAX: (716) 477-4646  
42  
43 (2) INFORMATION FOR SEQ ID NO:1:  
44 (i) SEQUENCE CHARACTERISTICS:  
45 (A) LENGTH: 28 nucleotides  
46 (B) TYPE: Nucleic acid

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PATENT APPLICATION US/09/675,828ADATE: 06/10/2005  
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47 (C) STRANDEDNESS: Single  
48 (D) TOPOLOGY: Linear  
49 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
50 (iii) HYPOTHETICAL: No  
51 (iv) ANTI-SENSE: No  
52 (vi) ORIGINAL SOURCE: Synthetically prepared  
53 (vii) IMMEDIATE SOURCE: Same  
54 (x) PUBLICATION INFORMATION: Unknown  
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
56  
57 AGTGGGGGGA CATCAAGCAG CCATGCAA 28  
58  
59  
60

61 (2) INFORMATION FOR SEQ ID NO:2:  
62 (i) SEQUENCE CHARACTERISTICS:  
63 (A) LENGTH: 28 nucleotides  
64 (B) TYPE: Nucleic acid  
65 (C) STRANDEDNESS: Single  
66 (D) TOPOLOGY: Linear  
67 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
68 (iii) HYPOTHETICAL: No  
69 (iv) ANTI-SENSE: No  
70 (vi) ORIGINAL SOURCE: Synthetically prepared  
71 (vii) IMMEDIATE SOURCE: Same  
72 (x) PUBLICATION INFORMATION: None  
73 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
74  
75 TTCCTGCTAT GTCACTTCCC CTTGGTTC 28  
76

77 (2) INFORMATION FOR SEQ ID NO:3:  
78 (i) SEQUENCE CHARACTERISTICS:  
79 (A) LENGTH: 28 nucleotides  
80 (B) TYPE: Nucleic acid  
81 (C) STRANDEDNESS: Single  
82 (D) TOPOLOGY: Linear  
83 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
84 (iii) HYPOTHETICAL: No  
85 (iv) ANTI-SENSE: No  
86 (vi) ORIGINAL SOURCE: Synthetically prepared  
87 (vii) IMMEDIATE SOURCE: Same  
88 (x) PUBLICATION INFORMATION: None  
89 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
90  
91 TAGCACCCAC CAGGGCAAAG AGAAGAGT 28  
92  
93  
94

95 (2) INFORMATION FOR SEQ ID NO:4:  
96 (i) SEQUENCE CHARACTERISTICS:  
97 (A) LENGTH: 28 nucleotides  
98 (B) TYPE: Nucleic acid  
99 (C) STRANDEDNESS: Single

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100 (D) TOPOLOGY: Linear  
101 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
102 (iii) HYPOTHETICAL: No  
103 (iv) ANTI-SENSE: No  
104 (vi) ORIGINAL SOURCE: Synthetically prepared  
105 (vii) IMMEDIATE SOURCE: Same  
106 (x) PUBLICATION INFORMATION: None  
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
108  
109 AGATGCTGTT GCGCCTCAAT AGCCCTCA 28  
110  
111 (2) INFORMATION FOR SEQ ID NO:5:  
112 (i) SEQUENCE CHARACTERISTICS:  
113 (A) LENGTH: 26 nucleotides  
114 (B) TYPE: Nucleic acid  
115 (C) STRANDEDNESS: Single  
116 (D) TOPOLOGY: Linear  
117 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
118 (iii) HYPOTHETICAL: No  
119 (iv) ANTI-SENSE: No  
120 (vi) ORIGINAL SOURCE: Synthetically prepared  
121 (vii) IMMEDIATE SOURCE: Same  
122 (x) PUBLICATION INFORMATION: None  
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
124  
125 CTTGGTTCTC TCATCTGGCC TGGTGC 26  
126  
127  
128  
129 (2) INFORMATION FOR SEQ ID NO:6:  
130 (i) SEQUENCE CHARACTERISTICS:  
131 (A) LENGTH: 28 nucleotides  
132 (B) TYPE: Nucleic acid  
133 (C) STRANDEDNESS: Single  
134 (D) TOPOLOGY: Linear  
135 (ii) MOLECULE TYPE: Probe for HIV-I DNA  
136 (iii) HYPOTHETICAL: No  
137 (iv) ANTI-SENSE: No  
138 (vi) ORIGINAL SOURCE: Synthetically prepared  
139 (vii) IMMEDIATE SOURCE: Same  
140 (x) PUBLICATION INFORMATION: None  
141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
142  
143 GAGACCATCA ATGAGGAAAGC TGCAGAAT 28  
144  
145 (2) INFORMATION FOR SEQ ID NO:7:  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 28 nucleotides  
148 (B) TYPE: Nucleic acid  
149 (C) STRANDEDNESS: Single  
150 (D) TOPOLOGY: Linear  
151 (ii) MOLECULE TYPE: Probe for HIV-I DNA  
152 (iii) HYPOTHETICAL: No

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153 (iv) ANTI-SENSE: No  
154 (vi) ORIGINAL SOURCE: Synthetically prepared  
155 (vii) IMMEDIATE SOURCE: Same  
156 (x) PUBLICATION INFORMATION: None  
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
158  
159 GTGCAGCAGC AGAACAAATT GCTGAGGG 28  
160  
161  
162  
163 (2) INFORMATION FOR SEQ ID NO:8:  
164 (i) SEQUENCE CHARACTERISTICS:  
165 (A) LENGTH: 30 nucleotides  
166 (B) TYPE: Nucleic acid  
167 (C) STRANDEDNESS: Single  
168 (D) TOPOLOGY: Linear  
169 (ii) MOLECULE TYPE: Nonsense probe  
170 (iii) HYPOTHETICAL: No  
171 (iv) ANTI-SENSE: No  
172 (vi) ORIGINAL SOURCE: Synthetically prepared  
173 (vii) IMMEDIATE SOURCE: Same  
174 (x) PUBLICATION INFORMATION: Unknown  
175 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
176  
177 GGTGTCACCC CCAGAGTCAC CTGTACCCGC 30  
178  
179 (2) INFORMATION FOR SEQ ID NO:9:  
180 (i) SEQUENCE CHARACTERISTICS:  
181 (A) LENGTH: 41 nucleotides  
182 (B) TYPE: Nucleic acid  
183 (C) STRANDEDNESS: Single  
184 (D) TOPOLOGY: Linear  
185 (ii) MOLECULE TYPE: Oligonucleotide from HIV-I DNA  
186 (iii) HYPOTHETICAL: No  
187 (iv) ANTI-SENSE: No  
188 (vi) ORIGINAL SOURCE: Synthetically prepared  
189 (vii) IMMEDIATE SOURCE: Same  
190 (x) PUBLICATION INFORMATION: Unknown  
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
192  
193 ATCCTGGGAT TAAATAAAAT AGTAAGAATG TATAGCCCTA C 41  
194  
195  
196 (2) INFORMATION FOR SEQ ID NO:10:  
197 (i) SEQUENCE CHARACTERISTICS:  
198 (A) LENGTH: 25 nucleotides  
199 (B) TYPE: Nucleic acid  
200 (C) STRANDEDNESS: Single  
201 (D) TOPOLOGY: Linear  
202 (ii) MOLECULE TYPE: Primer for hCMV DNA  
203 (iii) HYPOTHETICAL: No  
204 (iv) ANTI-SENSE: No  
205 (vi) ORIGINAL SOURCE: Synthetically prepared

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206 (vii) IMMEDIATE SOURCE: Same  
207 (x) PUBLICATION INFORMATION: None  
208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
209  
210 TGCAC TGCCA GGTGCTTCGG CTCAT 25  
211  
212 (2) INFORMATION FOR SEQ ID NO:11:  
213 (i) SEQUENCE CHARACTERISTICS:  
214 (A) LENGTH: 25 nucleotides  
215 (B) TYPE: Nucleic acid  
216 (C) STRANDEDNESS: Single  
217 (D) TOPOLOGY: Linear  
218 (ii) MOLECULE TYPE: Primer for hCMV DNA  
219 (iii) HYPOTHETICAL: No  
220 (iv) ANTI-SENSE: No  
221 (vi) ORIGINAL SOURCE: Synthetically prepared  
222 (vii) IMMEDIATE SOURCE: Same  
223 (x) PUBLICATION INFORMATION: U.S. 5,147,777  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
225  
226 CACCACGCAG CGGCCCTTGA TGTTC 25  
227  
228  
229  
230 (2) INFORMATION FOR SEQ ID NO:12:  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 30 nucleotides  
233 (B) TYPE: Nucleic acid  
234 (C) STRANDEDNESS: Single  
235 (D) TOPOLOGY: Linear  
236 (ii) MOLECULE TYPE: Probe for hCMV DNA  
237 (iii) HYPOTHETICAL: No  
238 (iv) ANTI-SENSE: No  
239 (vi) ORIGINAL SOURCE: Synthetically prepared  
240 (vii) IMMEDIATE SOURCE: Same  
241 (x) PUBLICATION INFORMATION: U.S. 5,147,777  
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
243  
244 GAACCGAGGG CCGGCTCACC TCTATGTTGG 30  
245  
246 (2) INFORMATION FOR SEQ ID NO:13:  
247 (i) SEQUENCE CHARACTERISTICS:  
248 (A) LENGTH: 30 nucleotides  
249 (B) TYPE: Nucleic acid  
250 (C) STRANDEDNESS: Single  
251 (D) TOPOLOGY: Linear  
252 (ii) MOLECULE TYPE: Primer for HIV-I DNA  
253 (iii) HYPOTHETICAL: No  
254 (iv) ANTI-SENSE: No  
255 (vi) ORIGINAL SOURCE: Synthetically prepared  
256 (vii) IMMEDIATE SOURCE: Same  
257 (x) PUBLICATION INFORMATION: None  
258 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13: